

CA-IR-12

**Ref: T-4, Page 20.**

- a. Do all three-transmission lines feeding the Koolau Substation have the same normal and emergency ratings?
- b. Please provide the normal and emergency ratings of each of the three transmission lines feeding the Koolau Substation.

**HECO Response:**

- a. Yes, all three lines feeding the Koolau Substation, which include the Halawa-Koolau, Waiau-Koolau #1 and the Waiau-Koolau #2 138kV transmission lines, have the same normal and emergency ratings.
- b. The normal rating for all three lines mentioned above is 1,430 amps. The emergency rating for all three lines mentioned above is 1,640 amps, as stated in HECO T-4, page 22.